Building 90

Safety Meeting

22 November 2005

Agenda

- Meeting minutes, 10/21/05
- Review of open actions
- Topics of the Month: Fire Safety with Fire Inspector Brett VanScoy
- Miscellaneous info
- Questions

Meeting Minutes

- Sent via email, 21 OCT 2005
- Actions: None

CFC Video

- 2005 cfc.wmv

Fire Safety

Guest Speaker

Fire Inspector Brett VanScoy

Fire Doors

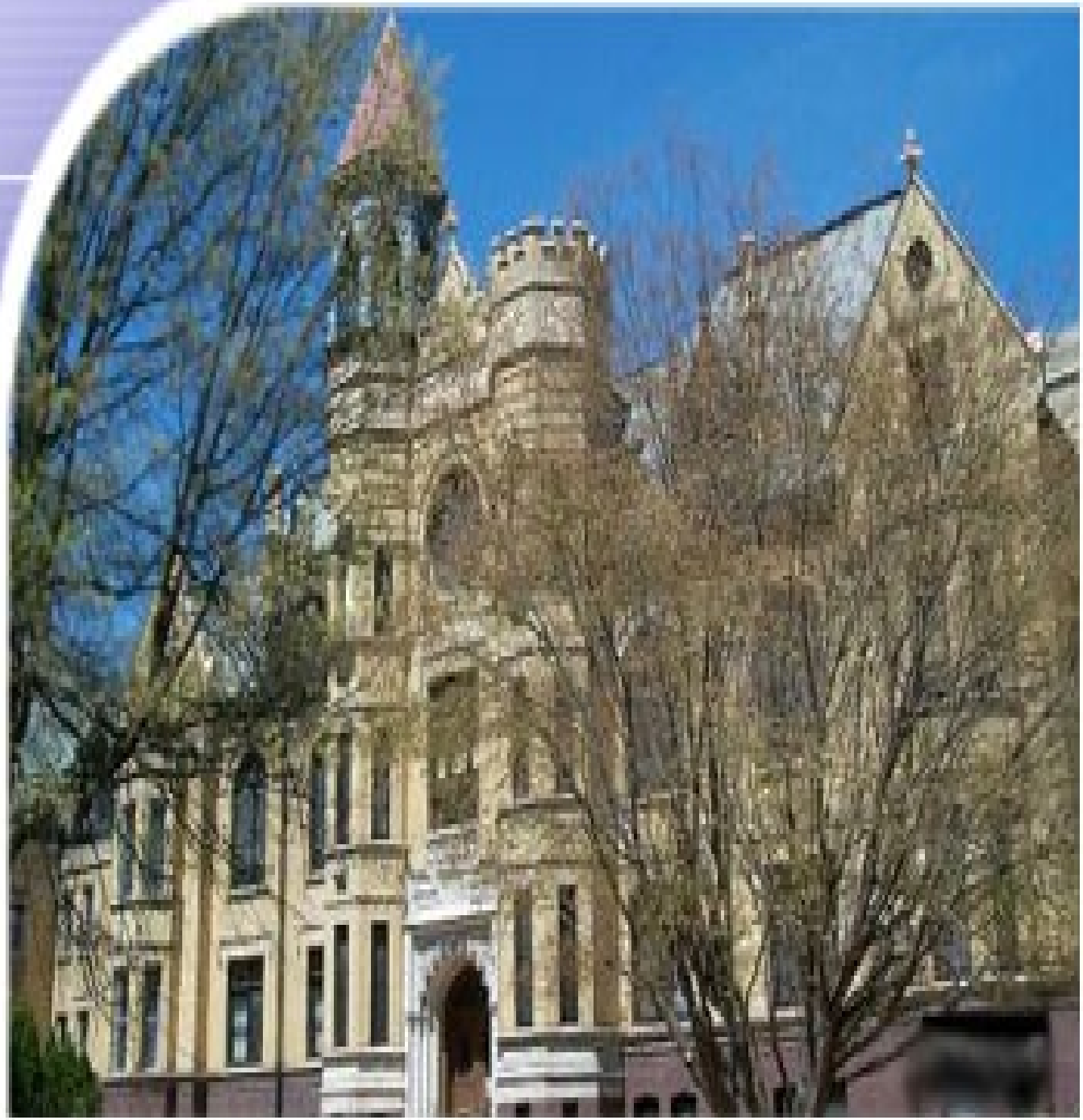
Brett VanScoy

Fire Protection Inspector

Fire Prevention & Inspection Bureau

Fire and Emergency Services Division

Force Protection Directorate



Villa De Chantal

Rock Island, IL

Villa De Chantal

Rock Island, IL

July 14, 2005

14 8:34AM

14 8:35 AM

1st or ground floor on the south side. Notice anything unusual?

Same door that was in the last slide, notice anything? Some smoke smudging around the top of the door, hinge corner and around the top hinge?

This is what that same door looked like when it was opened up.

Everything on the other side was destroyed by fire.

This door and many others like it saved the East wing simply because they were shut.

Inspector Pat Behr is the person holding the door open.

Still on the 1st or ground floor looking into the hallway behind the door, everything was destroyed after the door.

The metal tag on the spine of the door that lists it as a fire door and tells the hourly rating.

These tags are later removed as evidence and used in the investigation process.

2nd floor, the damage to the ceiling was from firefighters checking for extension of the fire. The fire wall remained intact and the fire doors held. For the amount of heat the fire generated, the doors did outstanding.

14 8:41 AM

14 8:41 AM

2nd floor showing the remains of the roof after collapse.

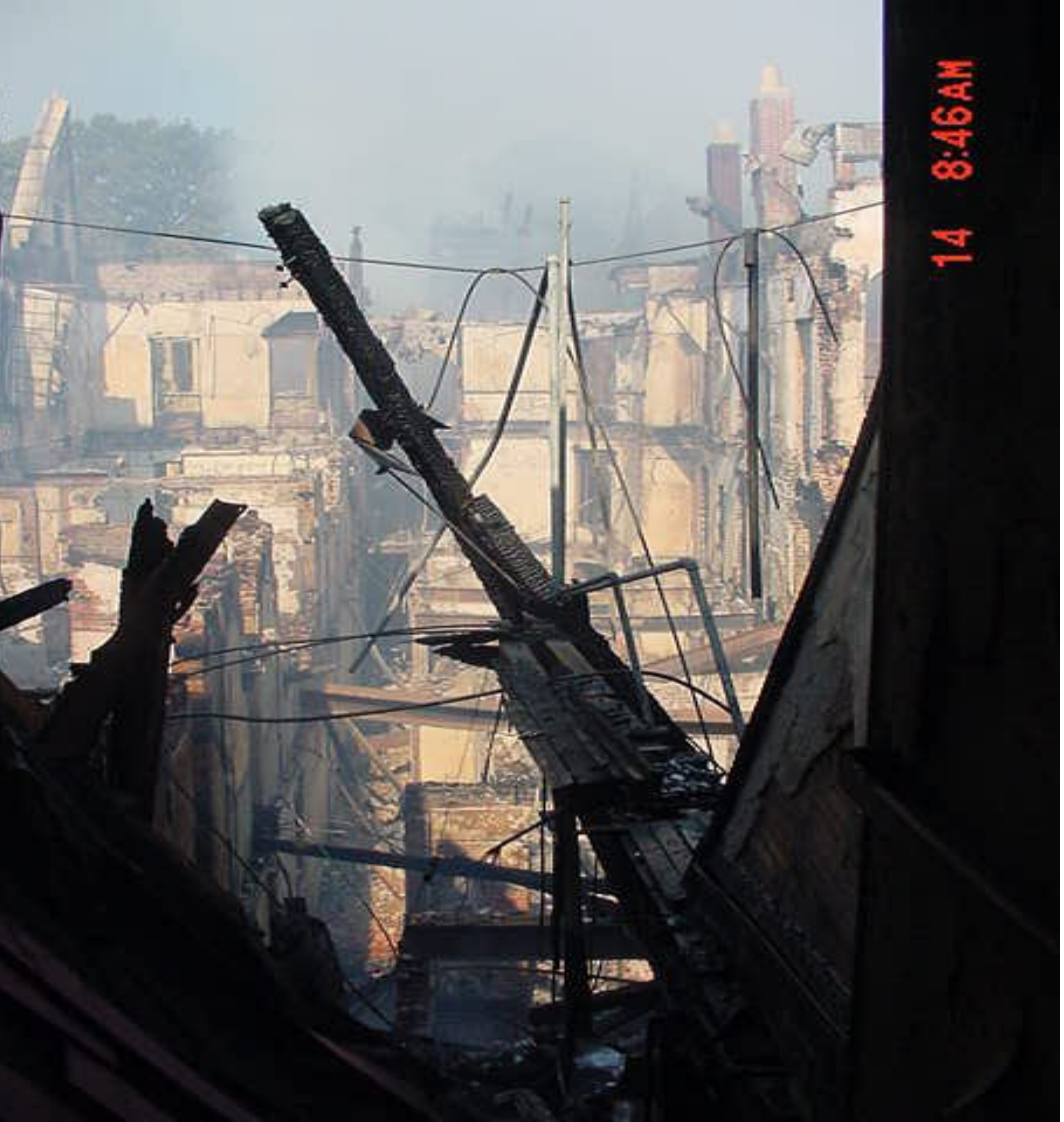
Not much damage to the East side of the wall.

2nd floor with the fire doors opened up to show the fire debris inside the main building. Not much damage on this side.

3rd floor fire doors, ceiling damage from fire department checking for extension.

No real signs of damage on this side of the doors.

14 8:46AM



Looking out the 3rd floor door across the main building to the West wing.

4th floor fire doors showed more damage with more smoke deposits on the East wing walls and hallway.

Heavy smoke and fire conditions at this level allowed to build up.

Heavy smoke depositing on the walls and ceiling.

14 8:54AM

14 8:54AM

14 : 8:55 AM

14 10:12AM

A block of wood was inserted between the door frame and door to hold the door open.

A piece of round steel stock was used to hold this door open, notice the fire rated label on the spine of the door and the self closure?

NOTICE
8 10:35AM

2-3.1 Door Frames.

2-3.1.1* Only labeled door frames shall be used.

A-2-3.1.1 Door frames might carry a label stating the hourly rating. The rating of the installed assembly should carry the rating of the door or the door frame, whichever is less.

Warnock Hersey
C US
LISTED FIRE DOOR FRAME
CADRE DE PORTE COUPE-FEU
HOMOLOGUEE
WH-
RATINGS/
DUREES: 20 M. 3/4 HR. 1-1/2 HR.
DO NOT REMOVE OR COVER LABEL
NE PAS ENLEVER OU COUVRIR L'ETIQUETTE
DAYBAR
INDUSTRIES LTD.
MISSISSAUGA, ONTARIO,
CANADA
www.daybar.com
1 2:22PM

EXIT
PEPSI
FIRE
8 10:37 AM

Life Safety Code - 7.2.1.8.1* A door normally required to be kept closed shall not be secured in the open position at any time and shall be self-closing or automatic-closing in accordance with 7.2.1.8.2 , unless otherwise permitted by 7.2.1.8.3.

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NOTICE
FIRE DOOR
KEEP CLOSED
NOTICE
FIRE DOOR
KEEP CLOSED
1
2:21 PM

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EXIT
1 2:40 PM

2-1.2 Components.
A fire door assembly shall consist of components that are separate products incorporated into the assembly and allowed to have their own subcomponents. The normal components of a fire door assembly include a door, a door frame, hinges, a lock or latch, and a closing device. They also include, but are not limited to, an astragal, an automatic louver, a coordinator, flush or surface bolts, gasketing, a holder/release device, protection plates, and glazing materials

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211
9 8:20AM

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Life Safety Code
2003 edition

7.2.1.7 Panic Hardware and Fire Exit Hardware.

7.2.1.7.1 Where a door is required to be equipped with panic or fire exit hardware, such hardware shall meet the following criteria:

(1) It shall consist of a cross bar or a push pad, the actuating portion of which extends across not less than one-half of the width of the door leaf.

(2) It shall be mounted as follows:

(a) New installations shall be not less than 34 in. (865 mm), nor more than 48 in. (1220 mm), above the floor.

(b) Existing installations shall be not less than 30 in. (760 mm), nor more than 48 in. (1220 mm), above the floor.

(3) It shall be constructed so that a horizontal force not to exceed 15 lbf (66 N) actuates the cross bar or push pad and latches.

7.2.1.8 Self-Closing Devices

7.2.1.8.1* A door normally required to be kept closed shall not be secured in the open position at any time and shall be self-closing or automatic-closing in accordance with 7.2.1.8.2, unless otherwise permitted by 7.2.1.8.3.

7.2.1.8.2

In any building of low or ordinary hazard contents, as defined in 6.2.2.2 and 6.2.2.3, or where approved by the authority having jurisdiction, doors shall be permitted to be automatic-closing, provided that the following criteria are met:

(1) Upon release of the hold-open mechanism, the door becomes self-closing.

(2) The release device is designed so that the door instantly releases manually and, upon release, becomes self-closing, or the door can be readily closed.

(3) The automatic releasing mechanism or medium is activated by the operation of approved smoke detectors installed in accordance with the requirements for smoke detectors for door release service in *NFPA 72*, *National Fire Alarm Code*.

(4) Upon loss of power to the hold-open device, the hold-open mechanism is released and the door becomes self-closing.

(5) The release by means of smoke detection of one door in a stair enclosure results in closing all doors serving that stair.

8.3.3 Fire Doors and Windows

- **8.3.3.1** Openings required to have a fire protection rating by Table 8.3.4.2 shall be protected by approved, listed, labeled fire door assemblies and fire window assemblies and their accompanying hardware, including all frames, closing devices, anchorage, and sills in accordance with the requirements of NFPA 80, *Standard for Fire Doors and Fire Windows*, except as otherwise specified in this *Code*.

NFPA 80 Fire Doors and Windows

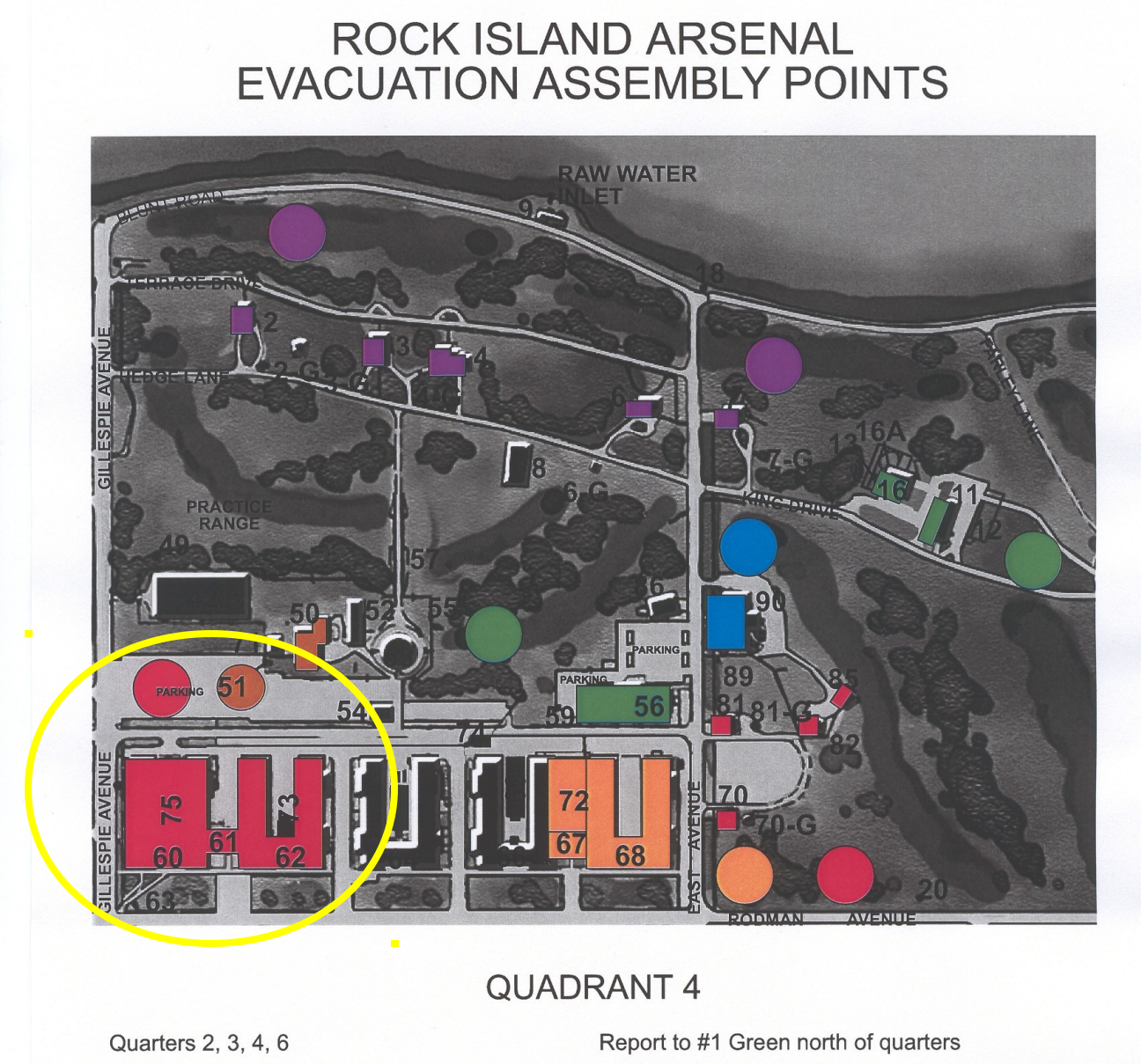
- **2-1.2 Components.**
- A fire door assembly shall consist of components that are separate products incorporated into the assembly and allowed to have their own subcomponents. The normal components of a fire door assembly include a door, a door frame, hinges, a lock or latch, and a closing device. They also include, but are not limited to, an astragal, an automatic louver, a coordinator, flush or surface bolts, gasketing, a holder/release device, protection plates, and glazing materials.

Additional Fire

Building 103

62 Evacuation Review

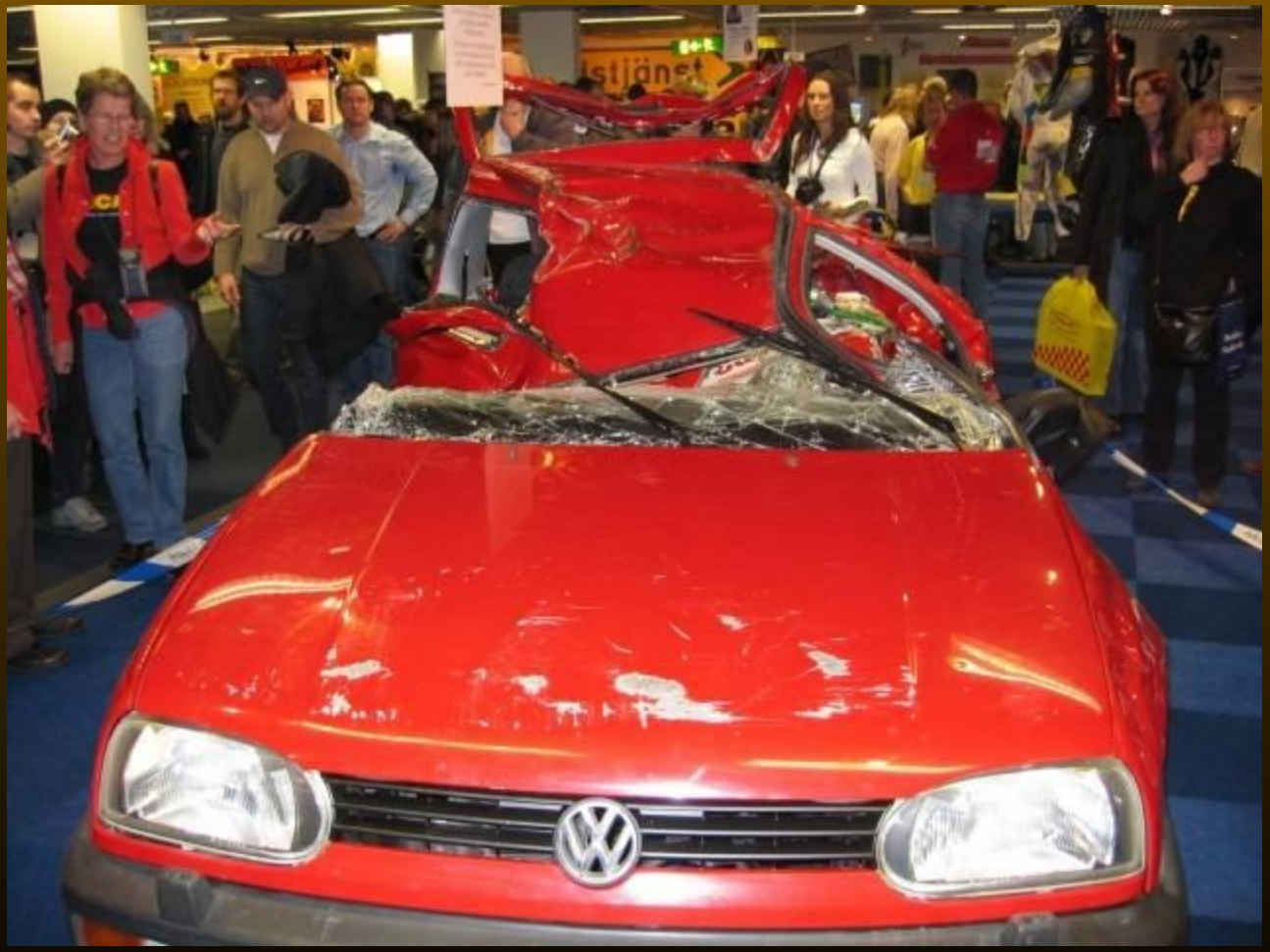
Bldg 62 Evacuation Assembly Point



Heart Attacks

- HeartAttack_1.pps

A Picture is Worth a Thousand Words



HONDA

Castrol
HONDA

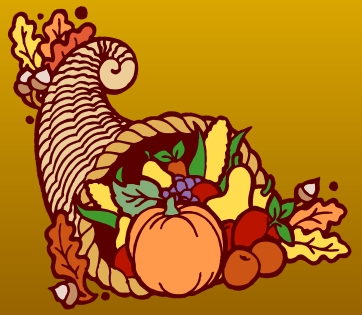
Road Rage Rewarded

- road-rage-isnt-a-good-thing .wmv

Next Meeting

- 14 December 2005
- 0830
- Caisson Room

Happy Thanksgiving!!



Questions?

Thank you!